**Detailed and Abstract Estimate**

**Name of the Work : Widening & Comprehensive Development of Singapura Garden Road from Abbigere Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)**

1 The rates adopted in this estimate are as per PW,P&IWTD, schedule of rates of Bengaluru circle for 2018-19 continued for 2020-21, & PW,P&IWD, schedule of rates for Electrical works for 2019-2020, also BWS&SB schedule of rates for 2017-18

2 The Area weightage pertaining to the BBMP limit of 6% for road works and 8% for Bridge items is adopted as per schedule of rates of Bengaluru circle of PW,P&IWTD, and No area weightage is considered rates selected from other SR

3 For New items units rates are arrived by deraiving from suitable SR items by adopting/deducting, material rates as given in the SR. Contractor profit and overhead charges of 10% each is considered while affecting either deduction / additon from main finished SR Items.

4 KTPP 1999 followed while Tendering and procurement of materials

**Bill of Quantity - 1 Site clearance and Dismantling**

| Sl. No | Description of Items as per SoR or as approved in Rate analysis sheet | Unit | Meaurements | | | | | Rate (in Rs) | Amount(in Rs) (Col 8x9) |
|---|---|---|---|---|---|---|---|---|---|
| | | | No | L | B | D/H | Quantity | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1.01 | KSRRB M200-32. Removal of Telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and stacking the serviceable and unserviceable material separatelycomplete as per specifications. MORTH Specification No. 202 | | | | | | | | |
| | PWD SR 2018-19 Pg No 141 Item NO 18.57 | | | | | | | | |
| | Gangamma Gudi police station road from DJR Appartment for a length of 310m | Nos | | | | | | | |
| | Lamp Pole-1+Electric pole-17+Transformers-1 | | 19 | | | | 19 | | |
| | Singapur Garden road | | | | | | | | |
| | Lamp Pole-6+Electric pole-21+Transformers-3, telephone pole-3 | | 33 | | | | 33 | | |
| | **Total** | | | | | | **52** | **230.02** | **11961.04** |
| 1.02 | "KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications.MORTH Specification No. 202 | | | | | | | | |
| | PWD SR 2018-19 Pg No 141 Item NO 18.54 | | | | | | | | |
| | Chain link fencing IN Gangamma Gudi Police station road from Ch0-380 M for school -90m + for Abbigere park - 170m | M | 1 | 260 | | | 260 | | |
| | **Total** | | | | | | 260 | **69.96** | **18189.60** |

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| Sl. No | Description of Items as per SoR or as approved in Rate analysis sheet | Unit | Measurements | | | | Quantity | Rate (in Rs) | Amount in Rs) (Col 8x9) |
|---|---|---|---|---|---|---|---|---|---|
| | | | No | L | B | D/H | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 23 | KSR(68 M/20) 17.1 Dismantling of existing Steel work in all types of Sections upto a Height of 3 m above plinth level excluding Cutting of Rivet, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts & A including dismembering " complete as per specifications. | | | | | | | | |
| | PWD SR 2016-19 Pg No 140 Item NO 16.33 | | | | | | | | |
| | Bus shelter in Gangamma gudi road | Tonne | 1 | 1 | | | 1 | | |
| | Total | | | | | | 1 | 2006.58 | 2006.58 |

N.D Kulkarni

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| Sl. No | Description of Items as per SoR or as approved in Rate analysis sheet | Unit | Meaurements | | | | | Rate (in Rs) | Amount(in Rs) (Col 8x9) |
|---|---|---|---|---|---|---|---|---|---|
| | | | No | L | B | D/H | Quantity | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1.04 | KSRRB 200-1. Cutting of trees girth from 300mm to 600mm including cutting of trunks, branches and removal of stumps roots stacking of serviceable materials earth filling in the depressions / pit, labour charges complete as per specifications. MORTH specification clause 201/ Chapter 2 | | | | | | | | |
| | PWD SR 2018-19 Pg No 138 Item NO 18.1 | | | | | | | | |
| | along Abbigere Main Road wimmac junction to Gangamma Gudi police station and Singapur Garden Road | | | | | | | | |
| | - do- 300mm to 600mm | Nos | 5 | | | | 5 | 316.94 | 1584.7 |
| 1.04a | PWD SR 2018-19 Pg No 138 Item NO 18.2 | | | | | | | | |
| | - do- KSRRB M200-6.2 : - do - 600mm to 900mm | Nos | 25 | | | | 25 | 977.32 | 24433 |
| 1.04b | PWD SR 2018-19 Pg No 138 Item NO 18.3 | | | | | | | | |
| | **KSRRB M200-6.3: - do - 900mm to 1800mm** | Nos | 10 | | | | 10 | 2377.58 | 23775.8 |
| 1.04c | PWD SR 2018-19 Pg No 138 Item NO 18.4 | | | | | | | | |
| | **KSRRB M200-6.4: - do - 1800mm to 2700mm** | Nos | 6 | | | | 6 | 3698.34 | 22190.04 |
| 1.05 | KSRRB M200-14.1. Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, B. In cement mortar. MORTH Specification No. 202 KSRRB M200-14.2. -d o - Dismantling brick/Tile work B. In cement mortar including loading and unloading and disposal to a lead of 20km as per direction of Engineer In Charge | | | | | | | | |
| | (PWD SR 2018-19 Pg No 139 Item NO 18.23 ) | | | | | | | | |
| | **Manholes dismentaling** | | | | | | | | |
| | Along Abbigere Main Road wimmac junction to Gangamma Gudi police station-3nos+ and Singapur Garden Road-20nOS | Cum | | | | | | | |
| | Manhole is Brick massonry of dia 1.2m as donut. Internal radus r=1m Outer radius R =1.2M equal to brick thickness. Donut surface area = (R^2-r^2)pai^2=(1.2^2-1^2)3.14^2=4.338 | | 23 | 4.338 | | 1.5 | 149.661 | | |
| | Removable of Foot path interlocking tiles with Dry sand LHS Existing RCC Drain from 0 to 380 LHS & RHS | | 1 | 590 | 3 | 0.012 | 21.24 | | |
| | **Total** | | | | | | 170.90 | 487.6 | 83331.3276 |

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| Sl. No | Description of Items as per SoR or as approved in Rate analysis sheet | Unit | Meaurements | | | | Quantity | Rate (in Rs) | Amount(in Rs) (Col 8x9) |
|---|---|---|---|---|---|---|---|---|---|
| | | | No | L | B | D/H | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1.06 | KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications,iii) Dismantling Stone Masonry. MORTH Specification No. 202 KSRRB M 200-15.2. -d o - B. Rubble stone masonry in cement mortar. | | | | | | | | |
| | PWD SR 2018-19 Pg No 140 Item NO 18.27 | | | | | | | | |
| | **Culvert Dismantaling** | | | | | | | | |
| | SSM for foundation to Abutment for culvert at Singapur Garden road | Cum | 2 | 36 | 1.2 | 1.3 | 112.32 | | |
| | stone Pier at centar SSM | | 1 | 36 | 0.65 | 1.3 | 30.42 | | |
| | Parapet over existing culvert | | 2 | 8 | 0.65 | 1.08 | 11.232 | | |
| | Compound wall from 0 to380 | | 1 | 100 | 0.3 | 2.0 | 60.00 | | |
| | **SSM for foundation to chainlink fencing** | | 1 | 260 | 0.3 | 1.5 | 117.00 | | |
| | Total | | | | | | 330.972 | 372.06 | 123141.4423 |

N D Vaidotes

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
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| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|
| Disposable of dismantaled unservicable Rubble stone masonry including with all loading and unloading and disposed to a lead up to 20km as per the direction of Engineer incharge | | | | | | | | |
| PWD SR 2018-19 Pg No 136 Item NO 17.1/17.5 | | | | | | | | |
| Quantity as estimated for dismantaling of Rubble stone massonry is 330.972 cum | Cum | | | | | | | |
| Quantity as estimated for for reuse is about 40% of dismantaled masonry of 330.72cum = 132.3 cum | | | | | 50 | | | |
| Quantity as estimated as unservicable and disposable is about 60% of dismantaled masonry of 330.972 cum of item above 1.06 = 198.432 cum | | | | | | 281 | | |
| Total | | | | | | **281** | **115.54** | **32504.42915** |
| KSRRB M200-13.1. Dismantling of existing Structures like Culverts, Bridges, Retaining Walls and other Structures comprising of Masonry, Cement Concrete, Wood Work, Steel Work, including T & P and Scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceble Material, disposal of unserviceble Material and stacking the serviceble Material and serviceble Material with all lifts complete as per Specifications. By mechanical means, A cement concrete grade M-15 & M-20 including loading and unloading and disposal to a lead of 20km As per the direction of the engineer Incharge | | | | | | | | |
| PWD SR 2018-19 Pg No 139 Item NO 18.20 | | | | | | | | |
| Dismantling of Existing Drain in Abbigere Park on LHS-280m+RHS310m total=590m | **Cum** | | | | | | | |
| RCC Wall | | 2 | 590 | 0.15 | 1 | 177 | | |
| Raft | | 1 | 590 | 1 | 0.15 | 89 | | |
| Culvert slab at Singapur Garden road | | 1 | 40 | 6 | 0.1 | 24 | | |
| **Total** | | | | | | **290** | **528.94** | **153128.13** |
| KSRRB M200-26. Dismantling Kerb stone by manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No. 202 | | | | | | | | |
| PWD SR 2018-19 Pg No 141 Item NO 18.49 | | | | | | | | |
| Dismantling of kerb existing from Ch 0 to380 in Abbigere main road on LHS& RHS | **m** | 1 | 590 | | | **590** | **12.72** | **7504.8** |

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